

# Polysomnography - Advanced Technical Certificate

281-756-5660

**Degree:** Advanced Technical Certificate

**Length:** Fifteen Month Program

**Purpose:** Polysomnographic (PSG) Technology is an allied health specialty for the diagnosis and treatment of disorders of sleep and daytime alertness. The range of the sleep disorders is varied but includes common disorders such as narcolepsy, sleep apnea, insomnias, and many others. PSG technologists operate a variety of sophisticated electronic monitoring devices, which record brain activity (EEG), muscle and eye movement, respiration, blood oxygen and other physiological events. Technologists are also involved in evaluation of various treatment methods.

PSG technologists are employed in Sleep Disorders Centers, which can be located in medical centers, hospitals, or clinic/office settings. PSG program offers a certificate that includes lectures, laboratory experience on campus, clinical experience at accredited sleep centers, and physician lectures. A major emphasis of the program is to prepare technologists for Board Registration by the Board of Registered Polysomnographic Technologists (BRPT). The program is fully accredited by the Committee on Accreditation for Respiratory Care (CoARC), 1248 Harwood Rd., Bedford, TX 76021, www.coarc.com, and the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 35 E.Wacker Dr., Suite 1970, Chicago, IL 60601-2208, www.caahep.org.

## Admission Requirements

To be considered for admission to the Polysomnography program, the applicant must:

- a. Make application to Alvin Community College and fulfill the admission requirements.
- b. Make application to the Polysomnography program.
- c. Have an Associate Degree in a Health Care field.
- d. Submit official transcripts from college where above degree was granted.
- e. Submit appropriate state licensure and/or credentials.
- f. Complete physical examination and immunization upon acceptance.
- g. Not currently be on suspension or academic probation.
- h. Current CPR certification - AHA Health Care Provider.
- i. Background checks are conducted as a condition of full acceptance into the Polysomnography Program.

<b>Course Number</b>	<b>Course Title</b>	<b>Lecture Hours</b>	<b>Lab Hours</b>	<b>Credits</b>
<b>First Semester</b>				
PSGT 1115	Introduction to Polysomnography	1	0	1
PSGT 1310	Neuroanatomy & Physiology	<u>3</u>	<u>0</u>	<u>3</u>
		4	0	4
<b>Second Semester</b>				
RSPT 1310	Respiratory Care Procedures	2	2	3
PSGT 1205	Neurophysiology of Sleep	2	0	2
PSGT 1400	Polysomnography I	2	5	4
PSGT 1340	Sleep Disorders	<u>3</u>	<u>0</u>	<u>3</u>
		9	7	12
<b>Third Semester</b>				
PSGT 1660	Polysomnography Clinical I	0	24	6
PSGT 2411	Polysomnography II	2	5	4
PSGT 1191	Special Topics	<u>0</u>	<u>2</u>	<u>1</u>
		2	31	11
<b>Fourth Semester</b>				
PSGT 2250	Infant and Pediatric Polysomnography	2	0	2
PSGT 2360	Polysomnography Clinical II	<u>0</u>	<u>12</u>	<u>3</u>
		2	12	5

Total Credits Required for A.T.C. Polysomnography ..... 32

Students must take RSPT 1310 (Respiratory Care Procedures) if he/she is not a Registered respiratory Therapist.